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## PATENT ABSTRACTS OF JAPAN

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**(54) MAGNETIC MIGRATION  
DISPLAY ELEMENT**

(57) Abstract:

**PURPOSE:** To obtain a magnetic migration display element capable of forming a thin film, making the contrast high and improved in resolution by sealing a specific dispersed liquid in a spacer.

**CONSTITUTION:** The magnetic migration display device is constituted so as to seal the dispersed liquid obtained by dispersing resin coated magnetite particles having 5-30 $\mu$ m primary particle diameter and white pigment particles having 0.5-5 $\mu$ m primary particle diameter in a silicone oil dispersion medium having 1-25cSt kinematic viscosity (at room temp.) in the spacer having 50-200 $\mu$ m spacer thickness and composed of a transparent plate for at least one side of the spacer. The magnetite particles are used after being coated with the resin. And because the magnetite particles are effectively prevented from the spontaneous aggregation of the particles each other by the resin coating, the magnetic migration in the cell face direction (display face) is enabled even in thin cell space. Any resin not swelling or not dissolving in the silicone oil can be optionally used as the resin for coating the magnetite particles.

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